

Amendments to the Drawings:

Attached to this response are a Replacement Sheet and an Annotated Sheet Showing Changes of Fig. 10, in compliance with 37 CFR 1.121(d) and without the addition of new matter. Reference number "134" has been corrected to clearly indicate the very fine metallic palladium particles as described in the specification.

Remarks

The Office Action of June 27, 2006 has been carefully reviewed and this response addresses the Examiner's concerns.

I. OBJECTION TO THE OATH/DECLARATION

The Examiner has objected to the oath/declaration because it does not identify the city and either the state or foreign country of residence of each inventor. Under 37 CFR 1.63(c) and 37 CFR 1.76, the mailing address of an inventor may be provided in an application data sheet. Applicants filed an Application Data Sheet with the original filing of the application on February 23, 2004 and a Supplemental Application Data Sheet on April 11, 2006. In order to correct any inconsistencies between the original Application Data Sheet and the Supplemental Application Data Sheet, Applicants have enclosed herewith a Second Supplemental Application Data Sheet which can be used by the U.S. Patent and Trademark Office for obtaining data therefrom.

II. STATUS OF THE CLAIMS

Claims 1-12 are currently pending in the application.

Claims 1 and 3 were objected to as a result of a minor informality.

Claims 4-5 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the invention.

Claims 1, 4-6 and 9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Portner (US 5,288,313) in view of Woo et al. (US 6,228,768).

Claims 2, 3, 7 and 8 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form.

Claims 10-12, which were formally withdrawn from consideration, have now been reintroduced into the application since they depend upon what is believed to be allowable independent claim 1 and therefore should also be considered allowable.

Claims 1 and 3-5 are amended by this response.

Claim 2 is canceled by this response.

Claims 13-16 are new.

Support in the Specification for the Amendments

Applicants have amended the specification to now update the information contained in paragraph 89 with respect to U.S. Patent Application Serial No. 09/904,306 originally cited therein setting forth that this patent application has issued into U.S. Patent No. 6,838,750 B2 (the '750 patent), and that a divisional application, U.S. Patent Application Serial No. 11/010,790, filed December 13, 2004 (the '790 application), is currently pending. In addition, the title of this patent application and now patent has been corrected.

It should be further pointed out that Applicants are in the process of filing a divisional application based upon the pending '790 application. The patent application which issued into the '750 patent was filed on the same day as the parent application of the application currently being examined. All of the above applications are assigned to the same assignee as well as have the same inventors.

Basis for the amendments to the claims presented herein can be found throughout the specification and drawings and in particular paragraphs 11, 14 and 104.

III THE OBJECTIONS TO CLAIMS 1 AND 3

Applicants have overcome these objections by correcting the antecedent basis requirements in a manner recommended by the Examiner.

IV. THE 35 U.S.C. 112 REJECTION

Claims 4-5 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the invention.

Applicants have corrected the antecedent basis problem associated with claims 4 and 5 by changing "the" surface of a dielectric material to a surface of a dielectric material in claim 1.

V. THE 35 U.S.C. 103 REJECTION

Claims 1, 4-6 and 9 were rejected under 35 U.S.C. 103(a) as being unpatentable over Portner (US 5,288,313) in view of Woo et al. (US 6,228,768).

Applicants have overcome the above rejections and claims 1, 4-6 and 9 by amending claim 1 to include the limitations of dependent claim 2 as recommended by the Examiner. Since the limitations of claim 2 when combined with claim 1 were found to be allowable by the Examiner, amended claim 1 should now be allowable. The remaining dependent claims 3-12 now all depend from allowable claim 1 and are therefore also considered to be allowable. In addition, Applicants have introduced the production of ferromagnetic inductive cores into the body of claim 1. Applicants have also added new claims 13-16 which contain the same language as independent claim 1 which the Examiner has indicated to make claim 1 allowable.

Since it is now believed that all of the claims in this application contain language which the Examiner has indicated would make these claims allowable, the past rejections of the claims as presented above are no longer applicable.

VI. CONCLUSION

In view of the amendments submitted herewith overcoming the objection to claims 1 and 3, the 35 U.S.C. 112 rejection of claims 4 and 5, and the 35 U.S.C. 103 rejection of claims 1, 4-6 and 9, taken together with the above remarks, Applicants believe that claims 1 and 3-16 are in condition for allowance and respectfully request that the Examiner pass this case to issue.

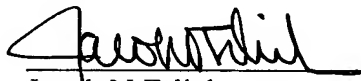
A petition for a three-month extension of time and a large-entity petition fee of \$1020.00 are included herewith in the form of two checks (\$120 and \$900). Also included herewith is a Second Supplemental Application Data Sheet and a Supplemental Information Disclosure Statement.

The Director of Patents and Trademarks is also authorized to charge any underpayment or to credit any overpayment of fees to Deposit Account No. 03-2410, Order No. 12569-108.

If the Examiner has any questions, please call Applicants' Attorney, Jacob N. Erlich, at
(617) 345-3000.

Respectfully submitted,
Peter R. Nuytkens, et al., Applicants

Dated: December 26, 2006

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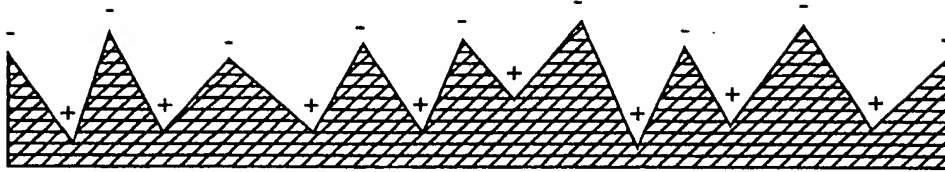


FIG. 9

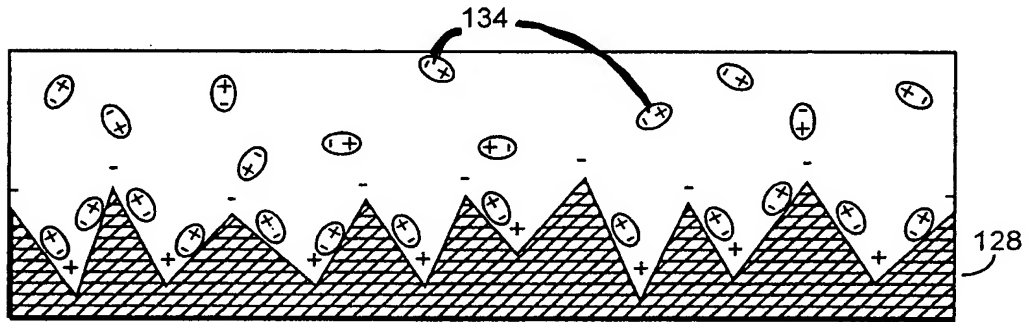


FIG. 10

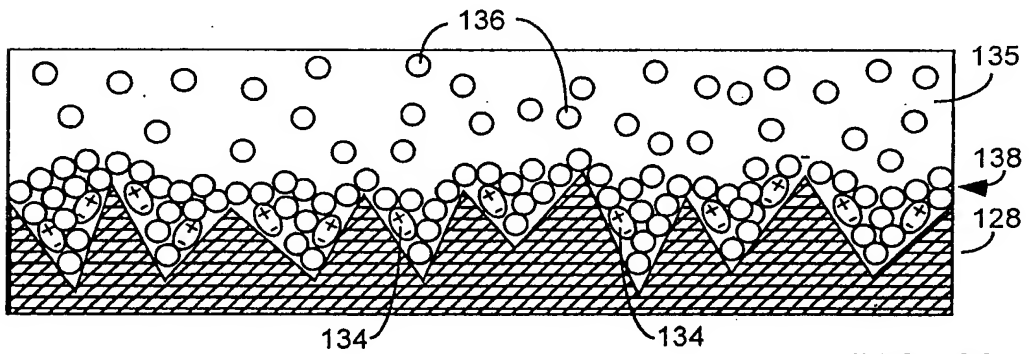


FIG. 11

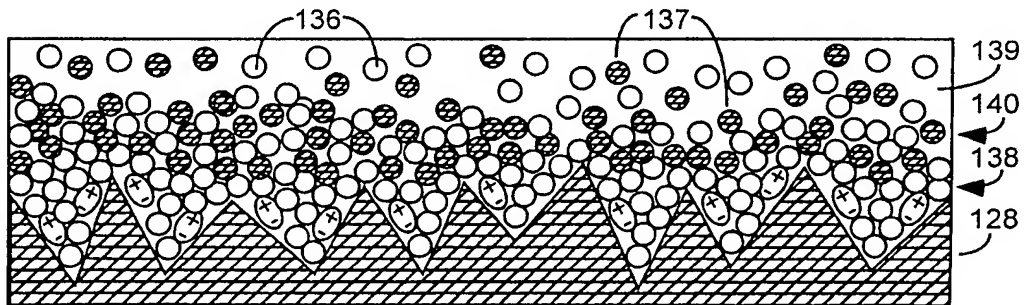


FIG. 12